PM SW Off-Site
PM Prophet
8 OCT 03

SY Coleman

4 Crystal Square

Crystal City

Agenda

- **0830-0900: PM SW Introduction/Objectives for Off Site-COL Cox**
- **Program/PM Briefings (See Format for Charts):**
  - **0900-0945: PM SW- C. Keller**
  - **0945-1030: ACS- LTC Drake**
  - **1030-1045: Break**
  - **1045-1130: Prophet-LTC Mabry**
  - **1130-1215: AISR (ARL and GRCS)-M. O'neill**
  - **1215-1315: Lunch**
  - **1315-1400: GSPS-M. Due**
  - **1400-1445: IW-LTC O'Connell**
- **1445-1500: Break**
- **1500-1545: FY 04 PM Budget- John Radzminski**
- **1545-1615: FCS/Future Force- All**
- **1615-1645: PEO Reporting Requirements- C. Keller**
- **1645-1730: Venting Session- All**
- **1800-?: Social Hour(s)-Place TBD**

Program Briefs Outline

- Current Organization Overview
- Proposed Changes
- FY03 Accomplishments
- Lessons Learned in FY03
- FY04 Scheduled Events
- Long Range Events (05-09)
- Challenges/Issues/Risks

Current FY04 Organization w/ Changes from FY03

Core		
LTC Mabry	N/A	
MAJ(P) Harper	N/A	180 day loss
Jim Maziarz	1	
Barb DeCastro (BMD)	1	
Kathy Bannister	1	Retires FY05
Tara Hurden	1	
Jim Iverson	1	
Sheila Reynbolds	1	
Tim Galvin	0	
I2WD		
Val Pendrick	1	Depends upon status TSP
Gary McClellan	0	
Mark Schwartz	1	Depends upon status TSP
Hon Tsang	0.25	
Barb McMurray	0	
Jose Vegara	0.5	
Mark Conrad	1	
Fred Jaekels	1	
Rich Brady	0.25	
Vince Halsey	0.25	
Joe Zaroff	0.25	
PM CGS		
Bill Cress	0.5	Share arrangement w/ PM CGS

LRC		
Glen VanSyckle	0	
Donna Zeimer	1	
Ken Gross	0.75	
Malek Haddad	0.5	
John Mickelson	1	
SFC Jones	1	
SSG Etheridge	1	
SSG Williams	0	
SGT Lewis	1	
SGT Flippen	0	
Pagliaro/Kowalewski	0.12	
Ed Winder	1	
SEC		
Jerry Kunert	1	
Sylvia Altman	1	Depends on TSP Status
SEC ILEX		
Larry Walker	1	Move to GSA contract
FSSS Team	4.75	
C2D		
Doug McCoy	0	
Dave McKnight	1	

Black = No Change; Red = Delete; Blue = Add; Orange = Change

Current FY04 Organization

Safety				
Elaine Moy	0.5			
DRM				
Arnie Horowitz (BMD)	0.75			
MANPRINT				
??	0.25			
CACI				
Ted Warinski	0			
Doug Combs	0			
Eddie Cornelious	1	Depends upon TSP status		
Peter Blocker	1	Depends upon TSP status		
Jim Long	1			
Barb Sloan	1			
Al Viola	0.5			
Len Brushie	1			
Mike Leonard	1	Depends upon TSP status		
Tony Moreno	1			
Drewing	0			
Ken Bardall	1			
Leona Lee	1			

SYTEX				
Jill Von Ohlen (BMD)	0.5			
Arlene Dorsey (BMD)	1			
DSCI				
Suzanne Anderson	1			
Jim Reich	0	Move to PM SW Common		
MITRE				
1.25MY	1.3			
Riverside Research				
Jim Hust	1			
DCSINT				
Jackie Strain	0.25			

Black = No Change; Red = Delete; Blue = Add; Orange = Change

Proposed Organizational Changes

- Recommend moving Tim Galvin to PM SW Core
- Recommend moving Jim Reich to PM SW Core
- Recommend Prophet ACS cost share for Arnie Horowitz (75/25)
- No funding available to bring on additional core/matrix/SETA personnel

FY03 Achievements
Block I

- Fieldings:
  - Fieldings to: 101AAD, 1AD, 3ID, 3/2ID (BCT), 1/25ID (BCT), 4ID, 3ACR, 1CAV, 2ACR, USAIC&S, 2ID {101AAD and 3ID still on HR due to accelerated fielding}
  - HR TI Phase I to: 101AAD, 1AD, 3ID, 4ID, 3ACR, 1CAV, 2ACR
  - HR TI Phase II (PH) 10 ea to CFLCC/CJTF-7
- Deployments: OEF/OIF
- CDA

Documentation Status Block I

- Pending Materiel Release for Digital Reporting (EPG report complete and at ATEC. Per John Ford decision this week on path ahead after survivability IPT. Three possible outcomes:
  - No additional testing required
  - Additional testing required for Prophet Control
  - Get well plan – issues to be addressed during Block II/III developmental testing (most likely)

FY03 Achievements
Block II/III

Milestones/Events

- MS B
- SDD Contract Award
- Program affordability laydown
- ECP #1/Congressional Plus Up
- Test program laydown to PEO
- GFE Delivery of Block I Systems
- ES, DF Antenna, EA CDRs
- QQ ES SW Inc 1 Integration
- WMI SW Inc 1 in test
- System 1 (-)
- Prophet Control Study
- Size/Weight Study (72 Hour)

Documentation Status Block II/III

Documentation Due Outs (From MSB ADM):

- P3I Brief – Sched 23 Oct for PEO.
- Block II/III Fielding Schedule – Awaiting G3/G8 action

Other Due Outs:

- Revised APB – When ORD is finally signed!
- Migration plan for Prophet Control to DCGS-A
- Security Classification Guide

FY03 Achievements
TSP

Milestones/Events:

- Rooftop/Tower Demo (Raytheon)
- CAD Contract Awards
- Flight Test (BAE & APSG)
- FY05-09 Mini POM decision - funding elimination!

Outstanding Documentation:

- CAD Contract final reports.

FY03 Achievements
TSP (BAE)

- 27 Hunter Flights
- 8 Data Collection Flights at 3 Hours Each Over 6 Days
- 7 hours 50 minutes total data collection
- 19 Calibration/Setup Flights Over 3 weeks
- Demonstrated ability of payload to survive launch, recovery, and conditions of flight (e.g. temperature, vibration, altitude)
- Demonstrated ability to detect and identify TCS and TAS over ORD threshold frequency range, with all required modulations
- Demonstrated ability to create lines of bearing and geolocation from a single moving (UAV) platform
- Demonstrated geolocation from two platforms, one moving, one stationary (only one UAV available).
- Demonstrated ability for operator to refine geolocation off-line, if desired
- Demonstrated a comprehensive SIGINT data base capability

Competition
Sensitive

FY03 Achievements
TSP (APSG)

- 10 Hunter Flights
- 3 Data Collection Flights at 4.5 Hours Each
- 5 Hour 25 Minutes Total Data Collection
- 7 Calibration/Setup Flights Over 2 Weeks
- Demonstrated ability of payload to survive launch, recovery, and conditions of flight (e.g. temperature, vibration, altitude)
- Demonstrated ability to detect, identify and copy TOS (1st for an Army owned UAV)

Competition
Sensitive

Documentation Status TSP

- BAE CAD Report
- APSG CAD Report

Competition Sensitive

Lessons Learned from FY03 Block I

- Different method for development and procurement of Prophet Control
- Log Demo! – nuff said
- Additional training for deploying units
- Retain control on EMD prototypes
- Foreign disclosure determination for KATUSA/ROK prior to fielding to Korea
- PM Prophet Presence in theater for OIF

Lessons Learned from FY03 Block II/III

- Ensure complete understanding of issues and pitfalls associated w/ using foreign sources – eg. transfer of classified material
- Difficulty keeping pace with and controlling evolving user requirements especially during and after a war
- Increased number of subcontractors adds program complexity
- Compressed schedule builds risk into the program
- Undefined linkages to other developmental programs adds complexity and program risk and causes a lack of program focus – ie. FCS and DCGS-A

Lessons Learned from FY03 TSP

- Simulation would not have revealed any issues uncovered during the demonstration, such as heading
- There is no substitute for operational testing to reveal system deficiencies
- Allow twice as long for calibration as planned

FY04 Scheduled Events Block I

- Fieldings: 1ID, 82D, 230th MI, 239th MI, 256th MI, 10th MTN, 281st MI, 241st MI, 216th MI, 3/25th ID, 172D SIB (BCT), 245th MI
- EMD Training: 2/25th ID
- Maintenance Team to OIF and OEF
- Digital Reporting Materiel Release
- Prophet Control V2 conversion clean up
- Reset for returning equipment
- Integrated ASAS 6.3.2.5 SW baseline development and possible implementation
- Replacement of EMD assets w/ Production Systems

FY04 Scheduled Events Block II/III

- EA, ES deliveries including Dolphin and Shark,
- WMI delivery including Analyst
- Vehicle integration of six prototype systems
- Contractor/Developmental test
- Development and implementation of a Prophet Control FCS/DCGS-A migration
- IKP training (Log Demo)
- Delivery of 6 SDD systems
- OTRR and IOT&E

FY04 Scheduled Events TSP

- Close out TSP CAD program efforts
- Complete efforts to assess data collected during FY03 Hunter flight test
- Support transition of technology to FCS program and support AJCN ACTD program
- Conduct assessment of integration issues associated with SIGINT payload on the Firescout UAV (selected as the UAV to support the UA).
  - Change in approach from a fixed wing UAV to a rotor wing aircraft
  - Assess SWAP impact of rotary wing aircraft on SIGINT payload
  - Assess impact of the rotor blades on signal interference, antenna mounting to achieve DF capability, and calibration methods for rotary wing aircraft

Long Range Events (05-09) Block I

- Fieldings: 2/25th ID (BCT), 229th MI, 629th MI, 634th MI, 278th ACR, 276th MI, (Other NG w/ FY04 plus up)
- Possible P3I of PRD 13

Long Range Events (05-09) Block II/III

- MS C decision
- R4000 integration
- Production contract award
- IOC
- FUE
- P3I plan initiation
- Fielding (not complete until FY13)

Long Range Events (05-09) TSP

- ???

Issues/Challenges/Risks Block I

- Digital reporting materiel release
- Reset
- Transition of TI sustainment responsibility to PM Prophet
- Foreign disclosure for ROK/KATUSA
- ASAS 6.3.2.5
- SCI Accreditation
- USAIC&S Training Equipment “Delta”
- Incorporation of lessons learned from OIF
- HMMWV availability
- Laptop availability

Issues/Challenges/Risks Block II/III

- Funding – GDDS is projecting a VAC of $351K, PM is projecting VAC of up to $2.5M
- Schedule – delivery schedules for several HW components continues to slip and schedule reserve is diminishing
- Test – FY03 TSARC did not identify a test unit to support the Sep 2004 IOT&E
- ORD – Still not signed!
- Ability to meet specified (non KPP) ES sensitivity requirements for signal detection/ID
- Unknowns associated with netting/comms
- Environmental lessons learned from OIF as applied to Block II/III COTS components
- DF antenna performance
- Extended production tail

Issues/Challenges/Risks TSP

- Synch w/ AJCN ACTD
- Retention of FY04 funding
- FY05 “bridge” funding
- Support/success in FY06-11 POM